

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number
WO 2005/087264 A1

- (51) International Patent Classification⁷: **A61K 39/395**, 31/728, A61P 37/06
- (21) International Application Number: PCT/NL2005/000200
- (22) International Filing Date: 16 March 2005 (16.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 04075867.4 17 March 2004 (17.03.2004) EP
- (71) Applicant (for all designated States except US): **ACADEMISCH ZIEKENHUIS BIJ DE UNIVERSITEIT VAN AMSTERDAM** [NL/NL]; Meibergdreef 9, NL-1105 AZ Amsterdam-Zuidoost (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ROUSCHOP, Kasper, Mathias, Antoon** [NL/NL]; Kiekendieffhorst 99, NL-2317 AD Leiden (NL). **FLORQUIN, Sandrine** [NL/NL]; M.K. Onneslaan 9, NL-2343 RW Oegstgeest (NL).
- (74) Agent: **VAN WESTENBRUGGE, Andries**; Nederlands Octrooibureau, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CD44-TARGETING FOR REDUCING/PREVENTING ISCHEMIA-REPERFUSION-INJURY

(57) Abstract: The present invention relates to CD44 binding molecules, preferably anti-CD44 antibodies, and their use in methods for the prevention or reduction of ischemia-reperfusion injury in e.g. solid organ transplantation or in patients in shock. The invention further relates to methods wherein levels of soluble CD44 are determined in e.g. serum or urine as a prognostic factor for the risk of organ rejection.



WO 2005/087264 A1